

REMARKS

Reconsideration and allowance of the above-reference application are respectfully requested. Claims 1, 5-7, 10-13, 17-20, 24-26, 29-30, 32, and 36-38 are amended, and claims 1-38 are pending in the application.

The specification has been amended to eliminate typographical errors. For example, the paragraph at page 9, line 6 has been corrected to ensure consistency with the reference to BLUEFLAME™ at page 2, line 5. Hence, no new matter has been entered.

Each of the independent claims 1, 13, 20, and 32 have been amended to more explicitly specify the advantageous features of providing content acceleration. Specifically, each of the independent claims 1, 13, 20, and 32 as amended specify that the HTTP response to the HTTP request includes the first content object (requested in the HTTP request) and a content operation identifier. Moreover, each of the independent claims specify that the content operation identifier includes “a directive for *prefetching* an identified second content object”, wherein the prefetching is *distinct from the presentation of the first content object*.

Hence, the HTTP request for the first content object results in not only the HTTP response carrying the first content object for presentation thereof, but *also* results in the HTTP response including a *directive for prefetching* the second content object, distinct from the presentation of the first content object.

Consequently, any device that receives the HTTP response can prefetch the second content object for acceleration of web content for a user. Also note that independent claims 1 and 20 further specify that the second content object is “determined as relevant to the first content object *by a predictive caching operation*.” As described in the specification, the prefetching of “relevant” content enables the acceleration of web content that has not yet been requested by a user.

These and other features are neither disclosed nor suggested in the applied prior art.

The rejection of claims 1-38 under 35 USC §102 in view of U.S. Patent No. 6,249,844 to Scholss is respectfully traversed.

Schloss discloses replacing portions of a web page (persistent object fragments) with identifiers in the web page in order to improve the caching ability of the web page. In particular, Schloss describes that typically “a document is not cached even if only a small fraction of its content is dynamic” (col. 2, lines 21-22); hence, Schloss describes a system that parses a web object (i.e., a web page) to identify “persistent object fragments” (e.g., dynamic objects or large objects deemed uncacheable), and replace the persistent object fragments with “persistent object fragment *identifiers*” that render the modified web page more cacheable at the client device. (See, e.g., Figs. 2-8, col. 4, lines 39-54; col. 5, line 36 to col. 6, line 46; col. 7, lines 7-38; and col. 9, lines 7-55).

In particular, Schloss specifies at col. 9, lines 49-55:

According to the present invention, the server uses persistent object fragment identifiers to replace persistent object fragments (such as dynamic objects or large segments) in a Web object. The revised object is thus more cacheable at the client device, since the server has removed the dynamic or large objects from the object and reduced the size of the object.

Although Schloss improves caching of web content, Schloss provides no disclosure whatsoever of *prefetching content*, as claimed. Rather, Schloss modifies a web page to make the web page more cacheable, and sends the modified web page having improved cacheability to a destination device.

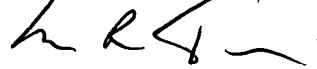
Each of the independent claims, however, specify that the HTTP response includes the first content object requested in the HTTP request, *plus* the content operation identifier that specifies a *directive for prefetching* an identified second content object, the prefetching of the identified second content object being *distinct from the presentation of the first content object* that is sent to the device having sent the HTTP request.

For these and other reasons, the §102 rejection should be withdrawn.

In view of the above, it is believed this application is and condition for allowance, and such a Notice is respectfully solicited.

To the extent necessary, Applicant petitions for an extension of time under 37 C.F.R. 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including any missing or insufficient fees under 37 C.F.R. 1.17(a), to Deposit Account No. 50-1130, under Order No. 95-472, and please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'L. R. Turkevich', with a stylized flourish at the end.

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